

S1 53553 BANK? OR CYBERBANK? OR FINANCIAL() INSTITUTION? OR SAVINGS(-  
2W) LOAN? OR S()L  
S2 3050 (ACCOUNT? OR CHECKING? OR SAVINGS) (5N) (OPEN? OR NEW OR STA-  
RT? OR CREATE? OR INITIAT? OR ESTABLISH? OR SECOND)  
S3 15010 (CHECK? OR AUTHEN? OR COMPAR? OR CONFIRM? OR VERIF? OR AUT-  
HOR? OR IDENTIF?) (5N) (IDENTIT? OR ID OR INDIVIDUAL?)  
S4 5798416 SECOND? OR FIRST OR OTHER OR ALREADY OR EXIST? OR PREVIOUS?  
OR PRIOR OR CURRENT? OR ESTABLISH? OR ANOTHER? OR OUTSIDE?  
S5 256 S1 AND S2  
S6 8 S5 AND S3  
S7 6 S4 AND S6  
S8 6 S1(5N)S4(5N)S3  
S9 5 S1 AND S2 AND (REFERENCE? OR REFERRAL?)  
S10 14 S2(5N)S3  
S11 0 S1 AND S10  
S12 31 S6 OR S7 OR S8 OR S9 OR S10  
S13 22 S12 NOT AD>970331  
S14 22 IDPAT (sorted in duplicate/non-duplicate order)  
S15 22 IDPAT (primary/non-duplicate records only)  
File 344:Chinese Patents ABS Apr 1985-2000/Feb (Reviewed all)  
(c) 2000 European Patent Office  
File 347:JAPIO Oct 1976-1999/Dec(UPDATED 000530)  
(c) 2000 JPO & JAPIO  
File 351:DERWENT WPI 1963-2000/UD=, UM=, & UP=200028  
(c) 2000 Derwent Info Ltd

6/15/00

15/5/1 (Item 1 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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012382252 \*\*Image available\*\*  
WPI Acc No: 99-188359/199916  
**Method of establishing the individual code for checking the disc position in a compact disc changer NoAbstract**  
Patent Assignee: DAEWOO ELECTRONICS CO LTD (DAEW-N)  
Inventor: PARK D G  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Main IPC Week  
KR 98011249 A 19980430 KR 9632007 A 19960731 G11B-017/02 199916 B  
  
Priority Applications (No Type Date): KR 9632007 A 19960731  
Title Terms: METHOD; ESTABLISH; INDIVIDUAL; CODE; CHECK; DISC; POSITION;  
COMPACT; DISC; CHANGE; NOABSTRACT  
Derwent Class: T03; W04  
International Patent Class (Main): G11B-017/02  
File Segment: EPI

15/5/2 (Item 2 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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012252994  
WPI Acc No: 99-059101/199905  
XRAM Acc No: C99-017324  
XRPX Acc No: N99-043993  
Process of forming dye transfer image - uses dye-receiving element which comprises identification card stock comprising polymeric core substrate having oriented poly(ethylene terephthalate) film laminated on at least one side  
Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: BRUST D P; REITER T C; SOSCIA P P  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Main IPC Week  
US 5846900 A 19981208 US 96688975 A 19960731 B41M-005/035 199905 B

Priority Applications (No Type Date): US 96688975 A 19960731  
Patent Details:  
Patent Kind Lan Pg Filing Notes Application Patent  
US 5846900 A 7

Abstract (Basic): US 5846900 A  
A process of forming a dye transfer image comprises imagewise-heating a dye-donor element comprising a support having thereon a dye layer and transferring a dye image to a dye-receiving element to form the dye transfer image.  
The dye-receiving element comprises an identification (ID) card stock comprising a polymeric core substrate having an oriented poly(ethylene terephthalate) film laminated on at least one side. The card stock also has an image-receiving layer located on the outermost surface of at least one side.  
Also claimed is a thermal dye transfer assemblage which comprises:  
(a) a dye-donor element comprising a support having thereon a dye layer; and (b) a dye-receiving element comprising a support having thereon a dye image-receiving layer. The dye-receiving element is in a superposed relationship with the dye-donor element so that the dye layer is in contact with the dye image-receiving layer.  
Further claimed is an identification card stock as above.  
USE - The card stock is used for producing ID cards, such as drivers licenses, national ID cards, bank cards and other authority cards.  
ADVANTAGE - The ID card stock is not subject to dye-donor sticking

during the printing process. It has high flexibility and durability over an extended period of time, while retaining good stiffness and impact strength. The ID card material can have layers specifically adapted for thermal printing on both front and back sides, if desired. The invention allows the use of dye-receiving layers which function well with dye-donors designed to give high maximum density at very short line times.

Dwg.0/0

Title Terms: PROCESS; FORMING; DYE; TRANSFER; IMAGE; DYE; RECEIVE; ELEMENT; COMPRISE; IDENTIFY; CARD; STOCK; COMPRISE; POLYMERISE; CORE; SUBSTRATE; ORIENT; POLY; ETHYLENE; TEREPHTHALATE; FILM; LAMINATE; ONE; SIDE

Derwent Class: A23; A97; G05; P75; S06; T04

International Patent Class (Main): B41M-005/035

International Patent Class (Additional): B41M-005/38

File Segment: CPI; EPI; EngPI

15/5/3 (Item 3 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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011812941

WPI Acc No: 98-229851/199820

XRAM Acc No: C98-071761

XRPX Acc No: N98-182037

Process of forming dye transfer image from electronic picture in ID card stock - comprises imagewise-heating dye-donor element comprising support and dye layer and transferring dye image to dye-receiving element to form image

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: BRUST D P; REITER T C; SOSCIA P P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
US 5733845	A	19980331	US 96688884	A	19960731	B41M-005/035	199820 B

Priority Applications (No Type Date): US 96688884 A 19960731

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
US 5733845	A		7			

Abstract (Basic): US 5733845 A

A process of forming a dye transfer image comprises: (i) imagewise-heating a dye-donor element comprising a support and a dye layer; and (ii) transferring a dye image to a dye-receiving element to form the dye transfer image.

The dye-receiving element comprises an identification card stock comprising a polymeric substrate, a hydrophobic antistatic layer, an oriented polymeric film and an image-receiving layer.

Also claimed are: (1) a thermal dye transfer assemblage comprising: (a) a dye-donor element comprising a support and dye layer; and (b) a dye-receiving element comprising a support and a dye image-receiving layer; and (2) an identification card stock.

USE - The image can be obtained from electronic devices, e.g. video camera, pictures and incorporated digitally in card stock for driving licence, national ID cards, bank cards, other authority cards, etc..

ADVANTAGE - Card stock has improved durability and processing.

Dwg.0/0

Title Terms: PROCESS; FORMING; DYE; TRANSFER; IMAGE; ELECTRONIC; PICTURE; ID; CARD; STOCK; COMPRISE; IMAGE; HEAT; DYE; DONOR; ELEMENT; COMPRISE; SUPPORT; DYE; LAYER; TRANSFER; DYE; IMAGE; DYE; RECEIVE; ELEMENT; FORM; IMAGE

Derwent Class: A14; A23; A84; G05; P75

International Patent Class (Main): B41M-005/035

International Patent Class (Additional): B41M-005/38

File Segment: CPI; EngPI

15/5/4 (Item 4 from file: 351)  
DIALOG(R) File 351:DERWENT WPI  
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011459881 \*\*Image available\*\*  
WPI Acc No: 97-437788/199741  
XRPX Acc No: N97-363943

Telephone charge prepayment method e.g. for mobile radiotelephone - using ID message generation and verification terminal for bank card and transmitting prepayment message with counter establishing coherency and registering prepayment processing

Patent Assignee: FRANCE TELECOM (ETFR )

Inventor: GREZES C; MARTIN D; SEGHERS A

Number of Countries: 006 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 794651	A1	19970910	EP 97400480	A	19970303	H04M-017/00	199741 B
FR 2745970	A1	19970912	FR 963128	A	19960307	H04M-017/00	199744
US 5909485	A	19990601	US 97813498	A	19970307	H04M-017/00	199929

Priority Applications (No Type Date): FR 963128 A 19960307

Cited Patents: DE 4419651; EP 589757; EP 698987; US 5359642

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

EP 794651 A1 F 12

Designated States (Regional): DE ES GB IT

Abstract (Basic): EP 794651 A

The method involves establishing a link between first and second terminals via a telephone network (RTC). The second terminal then transmits a demand for prepayment processing. When the prepayment is accepted, the second terminal requests pre-processed payment amounts and determines the amount received.

An ID number identifies the sending terminal and is included in a control key which is generated according to a predetermined algorithm. Coherency checking is also performed between the terminals. If more than a set number of coherency checks are found, the telephone interchange does not proceed.

USE/ADVANTAGE - E.g. videotex or teletext terminal. Reduces risk of bill non-payment. User has increased awareness of call cost.

Dwg.1/3

Title Terms: TELEPHONE; CHARGE; PREPAYMENT; METHOD; MOBILE; RADIOTELEPHONE; ID; MESSAGE; GENERATE; VERIFICATION; TERMINAL; BANK; CARD; TRANSMIT; PREPAYMENT; MESSAGE; COUNTER; ESTABLISH; COHERE; REGISTER; PREPAYMENT; PROCESS

Derwent Class: T01; T05; W01

International Patent Class (Main): H04M-017/00

International Patent Class (Additional): H04M-011/00; H04M-015/00

File Segment: EPI

15/5/5 (Item 5 from file: 351)

DIALOG(R) File 351:DERWENT WPI  
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011331403 \*\*Image available\*\*  
WPI Acc No: 97-309307/199728  
XRPX Acc No: N97-256346

Password authentication method without requiring verification tables - selecting secret code and using Diffie-Hellman algorithm to generate open code, before using combination of personal data and password to form personal ID which is conveyed to bank

Patent Assignee: CHEN Y (CHEN-I); JAN J (JANJ-I)

Inventor: CHEN Y; JAN J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
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TW 302589 A 19970411 TW 96110228 A 19960819 H04L-009/32 199728 B

Priority Applications (No Type Date): TW 96110228 A 19960819

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent  
TW 302589 A 20

Abstract (Basic): TW 302589 A

The method involves setting-up a safety core for a bank and setting-up a prime and an integer. The method then selects a secret code and uses the Diffie-Hellman algorithm to generate an open code. Personal data are then used to apply for an account and a password is selected at the first registration and the personal ID is set and conveyed to the bank. After verifying the password, the bank opens the account and gives an SG number.

The personal registration process involves inputting a core code which is combined with a personal ID to form a password. Personal account ID and a common code number are also generated and sent to the bank. The bank checks the existence of the ID and uses the secret code to obtain the SG number and R. The common code is then calculated and used to decode TR and identification.

USE - E.g. for setting-up of bank account.

Dwg.4/4

Title Terms: PASSWORD; AUTHENTICITY; METHOD; REQUIRE; VERIFICATION; TABLE; SELECT; SECRET; CODE; ALGORITHM; GENERATE; OPEN; CODE; COMBINATION; PERSON; DATA; PASSWORD; FORM; PERSON; ID; CONVEY; BANK

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/32

File Segment: EPI

15/5/6 (Item 6 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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010749788 \*\*Image available\*\*

WPI Acc No: 96-246743/199625

XRPX Acc No: N96-207285

Thermal insulation checking installation for ball shaped tank used in storage of liquefied natural gas - has ladders installed at each checking opening individually

Patent Assignee: MITSUBISHI JUKOGYO KK (MITO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 8099690	A	19960416	JP 94261261	A	19940930	B63B-025/16	199625 B

Priority Applications (No Type Date): JP 94261261 A 19940930

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent  
JP 8099690 A 5

Abstract (Basic): JP 8099690 A

The checking installation sets up a set of checking openings (9) along outer wall of a tank cover (2) which is used to enclose a spherical tank (1), at equal intervals. The height of installation of the openings is about the centre of upper and lower hemisphere of the tank.

A part of each check opening is fastened through a corresponding bolt and nut. Manholes (6) are installed in the tank cover for worker to enter into the space between the cover and the tank. A ladder (8a) is installed at each check opening for worker to climb into the checking opening.

ADVANTAGE - Improves safety nature. Reduces construction expenses. Requires lesser number of checking openings to be installed. Improves work quality. Prevents fire accidents due to deterioration of insulation. Is highly profitable. Achieves water light structure.

Dwg.1/9

Title Terms: THERMAL; INSULATE; CHECK; INSTALLATION; BALL; SHAPE; TANK;  
STORAGE; LIQUEFY; NATURAL; GAS; LADDER; INSTALLATION; CHECK; OPEN;  
INDIVIDUAL

Derwent Class: Q24; Q34

International Patent Class (Main): B63B-025/16

International Patent Class (Additional): B65D-090/00

File Segment: EngPI

15/5/7 (Item 7 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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010284648 \*\*Image available\*\*

WPI Acc No: 95-185907/199524

Related WPI Acc No: 99-404059

XRPX Acc No: N95-145555

Electronic bill payment system - uses bill payment network through which  
participating customers pay bills to universally identified billers using  
agreed set of protocols

Patent Assignee: VISA INT SERVICE ASSOC (VISA-N); VISA INT (VISA-N)

Inventor: HILT J J; HODGES R; PARDUE S W; POWAR W L

Number of Countries: 061 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9512859	A1	19950511	WO 94US11890	A	19941018	G06F-157/00	199524 B
CA 2175473	C	19990831	CA 2175473	A	19941018	G06F-017/60	200002
			WO 94US11890	A	19941018		
SG 69116	A1	19991221	SG 967551	A	19941018	G06F-157:00	200006
US 6032133	A	20000229	US 93146515	A	19931101	G06F-017/60	200018
			US 95552586	A	19951103		
AU 9480984	A	19950523	AU 9480984	A	19941018	G06F-019/00	199535
US 5465206	A	19951107	US 93146515	A	19931101	G06F-157/00	199550
NO 9601707	A	19960625	WO 94US11890	A	19941018	G06F-017/00	199636
			NO 961707	A	19960429		
EP 727072	A1	19960821	EP 94931408	A	19941018	G06F-017/60	199638
			WO 94US11890	A	19941018		
BR 9407964	A	19961203	BR 947964	A	19941018	G06F-157/00	199703
			WO 94US11890	A	19941018		
HU 74351	T	19961230	WO 94US11890	A	19941018	G06F-019/00	199714
			HU 961130	A	19941018		
NZ 275027	A	19970424	NZ 275027	A	19941018	G06F-017/60	199723
			WO 94US11890	A	19941018		
JP 9504634	W	19970506	WO 94US11890	A	19941018	G06F-019/00	199728
			JP 95513242	A	19941018		
AU 686270	B	19980205	AU 9480984	A	19941018	G06F-017/60	199813
US 5465206	B1	19980421	US 93146515	A	19931101	G06F-157/00	199823

Priority Applications (No Type Date): US 93146515 A 19931101; US 95552586 A 19951103

Cited Patents: US 4270042; US 4799156; US 4823264; US 5093787; US 5220501; US 5283829

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

WO 9512859 A1 E 58

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ

CA 2175473 C E Based on WO 9512859

US 6032133 A Cont of US 93146515

Cont of US 5465206

AU 9480984 A Based on WO 9512859

US 5465206 A 27

EP 727072 A1 E 58 Based on WO 9512859

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

BR 9407964	A	Based on	WO 9512859
HU 74351	T	Based on	WO 9512859
NZ 275027	A	Based on	WO 9512859
JP 9504634	W	62 Based on	WO 9512859
AU 686270	B	Previous Publ.	AU 9480984
		Based on	WO 9512859
US 5465206	B1	2	

Abstract (Basic): WO 9512859 A

The bill pay system includes a payment network (102) through which participating consumers (12) pay bills (30) to participating billers (14) according to preset rules (104). The participating customers (12) receive bills (3) from participating billers (14) (e.g. paper/mail bills, e-mail notices, implied bills for automatic debits etc) which indicate an amount, and a unique biller ID number (120).

To authorise a remittance, a consumer (12) transmits (2) to its participating bank (16) a bill pay order (122) indicating a payment date, a payment amount, the consumer's account number with the biller (14), a source of funds (232) and the biller's (14) ID number, either directly or by reference to static data containing the data elements. The system operates using an agreed set of protocols which include data exchange and message protocols as well as operating regulations which bind and direct the activities of the participants.

USE/ADVANTAGE - Allows customer to direct their bank, agent of their bank, or non-bank bill pay service bureau to pay amounts owed to merchants, service providers and other billers who bill customers for amounts owed.

Dwg.4/12

Title Terms: ELECTRONIC; BILL; PAY; SYSTEM; BILL; PAY; NETWORK; THROUGH; PARTICIPATING; CUSTOMER; PAY; BILL; UNIVERSAL; IDENTIFY; AGREE; SET

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/00; G06F-017/60; G06F-019/00; G06F-157/00; G06F-157-00

International Patent Class (Additional): G06F-151/00

File Segment: EPI

15/5/8 (Item 8 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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010096748

WPI Acc No: 94-364461/199445

XRPX Acc No: N94-285350

**Arrangement for booking of and/or access to resources, partic. for laundries - incorporates computer with display and keyboard, power unit, logic unit and possibly further units**

Patent Assignee: AGENTURA (AGEN-N); ROTOCOMTROL AB (ROTO-N); SELLBERG M (SELL-I)

Inventor: SELLBERG T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
SE 9301187	A	19941009	SE 931187	A	19930408	G06F-015/26	199445 B

Priority Applications (No Type Date): SE 931187 A 19930408

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
SE 9301187	A		13			

Abstract (Basic): SE 9301187 A

The keyboard incorporates four keys and the display has a marker movable from the keyboard. One of the keys - green - activates the display so that it shows the actual text and stores selected marking in the work memory. Two keys - yellow - move the marker to the right or the left, and a third key - red - interrupts activation of the display.

The logic unit incorporates a work memory, a programme memory, clock and date function, serial communication (two channels),

comparator and is connected to the power unit, keyboard, display unit and possibly further units. The actions involved entail the booking of time, unbooking of time, the showing of bookings, the opening of the door, the closing and monitoring of the door opening, checking the user identity, the going into a definition mode, generating statistics per time period, setting back the work memory, setting time and date.

ADVANTAGE - Overcomes problems with known booking methods.

Dwg.0/0

Title Terms: ARRANGE; BOOKING; ACCESS; RESOURCE; LAUNDER; INCORPORATE; COMPUTER; DISPLAY; KEYBOARD; POWER; UNIT; LOGIC; UNIT; POSSIBILITY; UNIT

Derwent Class: T01

International Patent Class (Main): G06F-015/26

File Segment: EPI

15/5/9 (Item 9 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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007628398

WPI Acc No: 88-262330/198837

XRPX Acc No: N88-198906

Personal authorisation and identification appts. - has combination of computers with memory and calculation and display functions fed with encoding algorithm and key

Patent Assignee: NILSSON K (NILS-I)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
SE 8605388	A	19880617	SE 865388	A	19861216		198837 B
SE 459531	B	19890710					198930

Priority Applications (No Type Date): SE 865388 A 19861216

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
SE 8605388	A		15				

Abstract (Basic): SE 8605388 A

One computer is for user purposes, whilst the second functions as a control, and when a symbol combination is fed into both computers the encoding algorithm converts it to another symbol combination which on authorisation is identical for both computers. The user computer memory function contains references specific for the authorities to which the holder of the computer possesses access, and on activation by a person-specific code related to a selected reference in its display function, shows the selected reference in the form of a third symbol combination. The computer, when activated by the person-specific code related to a selected reference, converts by an encoding algorithm and an encoding key the selected reference to a fourth symbol combination which is presented in the display function. The control computer, using the encoding algorithm and encoding key, converts the fourth symbol combination to a reference giving access to authorities, which reference is shown in the computer display function. The encoding algorithm and key are time-variable time-variable.

USE - To establish entitlement of person to use account card, obtain cash from bank account, have access to locked premises or to data system. (Provisional basic advised week 8831)

0/5

Title Terms: PERSON; AUTHORISE; IDENTIFY; APPARATUS; COMBINATION; COMPUTER; MEMORY; CALCULATE; DISPLAY; FUNCTION; FEED; ENCODE; ALGORITHM; KEY

Index Terms/Additional Words: CARD; CASH; BANK ; LOCK

Derwent Class: T05

International Patent Class (Additional): G07C-011/00; G07F-007/10

File Segment: EPI

15/5/10 (Item 10 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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007541350 \*\*Image available\*\*  
WPI Acc No: 88-175282/198825  
XRPX Acc No: N88-133951  
Dynamic electronic circuit checking apparatus - samples and stores sequential set of data entering elastic buffer and compares with exiting data  
Patent Assignee: ROCKWELL INT CORP (ROCW )  
Inventor: MCDONALD M A; ZEEFF M A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Main IPC Week  
US 4750181 A 19880607 US 86927212 A 19861105 198825 B

Priority Applications (No Type Date): US 86927212 A 19861105

Patent Details:  
Patent Kind Lan Pg Filing Notes Application Patent  
US 4750181 A 11

Abstract (Basic): US 4750181 A

The data integrity checking method samples the data input to a circuit being checked. The data output from the circuit being checked is sampled. The data sampled in steps A and B is compared for identity . A positive compare signal is issued and a new circuit checking operation is commenced if an identity is detected. These steps are repeated enough times to assure passage of data completely through the circuit. A negative compare signal is issued and a new circuit checking operation is commenced if an identity is not detected within a given maximum number of comparisons.

ADVANTAGE - Eliminates need for second elastic buffer; greater reliability and smaller physical size.

2/4

Title Terms: DYNAMIC; ELECTRONIC; CIRCUIT; CHECK; APPARATUS; SAMPLE; SEQUENCE; SET; DATA; ENTER; ELASTIC; BUFFER; COMPARE; EXIT; DATA  
Derwent Class: S01; T01  
International Patent Class (Additional): G01R-031/28; G06F-011/00  
File Segment: EPI

15/5/11 (Item 11 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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007514608 \*\*Image available\*\*  
WPI Acc No: 88-148541/198822  
XRPX Acc No: N88-113493  
Image scanner used as bank note tester - calls up test pattern, detects image data corresp. to characteristic regions and compares with reference pattern  
Patent Assignee: LAUREL BANK MACHINE CO (LAUB )  
Inventor: KAWAKAMI M  
Number of Countries: 004 Number of Patents: 006  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Main IPC Week  
DE 3738304 A 19880526 DE 3738304 A 19871111 198822 B  
FR 2606531 A 19880513 198826  
GB 2199173 A 19880629 GB 8725683 A 19871103 198826  
US 4823393 A 19890418 US 87116210 A 19871103 198918  
GB 2199173 B 19901010 199041  
DE 3738304 C 19910704 199127

Priority Applications (No Type Date): JP 86U172777 U 19861111

Patent Details:  
Patent Kind Lan Pg Filing Notes Application Patent  
DE 3738304 A 9

## Abstract (Basic): DE 3738304 A

An image sensor detects an image on the note and generates data which is stored. The type of note is determined by computing its width from the image data. Positions of characteristic regions of each note type and **reference** patterns corresp. to patterns of the regions for each note type are stored. The type of note is further tested by calling up the test pattern, detecting image data corresp. to the characteristic regions as identification data and comparing this with the **reference** patterns.

**ADVANTAGE** - Rapid, reliable testing is achieved using only data necessary.

2/6

Title Terms: IMAGE; SCAN; BANK ; NOTE; TEST; CALL; UP; TEST; PATTERN; DETECT; IMAGE; DATA; CORRESPOND; CHARACTERISTIC; REGION; COMPARE; **REFERENCE** ; PATTERN

Derwent Class: T04; T05

International Patent Class (Additional): G06K-009/64; G07D-007/00; G07D-009/00

File Segment: EPI

15/5/12 (Item 12 from file: 347)

DIALOG(R) File 347:JAPIO

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05910987 \*\*Image available\*\*

VEHICLE BURGLAR PREVENTION DEVICE

PUB. NO.: 10-194087 [JP 10194087 A]

PUBLISHED: July 28, 1998 (19980728)

INVENTOR(s): KUSAYANAGI YOSHINORI

APPLICANT(s): NISSAN MOTOR CO LTD [000399] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 09-001645 [JP 971645]

FILED: January 08, 1997 (19970108)

INTL CLASS: [6] B60R-025/04; B60R-025/04; B60R-025/06; F02D-029/02; F02D-045/00; H04B-001/59; H04L-009/32; E05B-065/12

JAPIO CLASS: 26.2 (TRANSPORTATION -- Motor Vehicles); 21.2 (ENGINES & TURBINES, PRIME MOVERS -- Internal Combustion); 31.9 (PACKAGING -- Other); 44.3 (COMMUNICATION -- Telegraphy); 44.5 (COMMUNICATION -- Radio Broadcasting)

## ABSTRACT

PROBLEM TO BE SOLVED: To make burglar prevention more effective by permitting an engine not to be started, and permitting shift locking not to be released when the **ID checking** of a key is not **established**.

SOLUTION: In this vehicle burglar prevention device, when an user inserts a key 1 into a key cylinder to start an engine, an immobilizer 5 does not permit an engine control unit 6 to **start** the engine unless the **ID checking** of a key is **established**, and furthermore does not permit a shift lock control unit 7 to release its shift locking either, by letting the function of burglar prevention be made more effective, when the **ID checking** of a key is not **established**, even if it were erroneously permitted by the engine control unit 6 side to start the engine, a vehicle is thereby made immovable by letting a shift lever be permitted not to be shifted from a P range.

15/5/13 (Item 13 from file: 347)

DIALOG(R) File 347:JAPIO

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04217776 \*\*Image available\*\*

ID DISCRIMINATOR

PUB. NO.: 05-209476 [JP 5209476 A]  
PUBLISHED: August 20, 1993 (19930820)  
INVENTOR(s): SUZUKI OSAMU  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-015204 [JP 9215204]  
FILED: January 30, 1992 (19920130)  
INTL CLASS: [5] E05B-049/00; G06K-017/00; G07C-009/00; G08B-015/00  
JAPIO CLASS: 31.9 (PACKAGING -- Other); 29.4 (PRECISION INSTRUMENTS -- Business Machines); 30.1 (MISCELLANEOUS GOODS -- Office Supplies); 44.9 (COMMUNICATION -- Other); 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: M, Section No. 1518, Vol. 17, No. 648, Pg. 162, December 02, 1993 (19931202)

#### ABSTRACT

PURPOSE: To enhance crime-preventing effect by providing a means of checking ID cards again by an ID discriminator within a given time period and also of NG judgement after checking results by ID discriminator are OK in cases where ID checking is made by threat of a criminal.

CONSTITUTION: The number of ID card is read for checking, and when the checking results are OK, a card reader 1 to unlock an electric key 2b is provided. In the **second ID checking**, an interface to send out alarm signals when operating opposite-direction read of the ID card is provided for the reader 1. Also, when the ID card is operated unavoidably, the ID card is inserted into the reader 1 in the usual direction to unlock the key 2b. Furthermore, the ID card is again inserted into the reader 1 from the opposite direction within a given time period for NG judgement to send out an alarm signal to the crime- preventing center. The occurrence of unusual state can thus be notified without knowledge of the criminal.

15/5/14 (Item 14 from file: 347)  
DIALOG(R) File 347: JAPIO  
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04190186 \*\*Image available\*\*  
DEPOSIT INTEREST MANAGEMENT SYSTEM

PUB. NO.: 05-181886 [JP 5181886 A]  
PUBLISHED: July 23, 1993 (19930723)  
INVENTOR(s): ISHIKITA AKIRA  
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-000789 [JP 92789]  
FILED: January 07, 1992 (19920107)  
INTL CLASS: [5] G06F-015/30; G07D-009/00  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.4 (PRECISION INSTRUMENTS -- Business Machines)  
JAPIO KEYWORD: R087 (PRECISION MACHINES -- Automatic **Banking** ); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: P, Section No. 1638, Vol. 17, No. 602, Pg. 148, November 05, 1993 (19931105)

#### ABSTRACT

PURPOSE: To save a customer the trouble of going to a **bank** for the purpose of cancelling his account or depositing money again except for a special demand and to omit the processing of account cancel and redeposit on the **bank** side by automatically determining a new interest at the time of expiration of a term of the deposit account.

CONSTITUTION: This system is provided with a first storage means 9a where the interest for each deposit **account** is stored, a **second** storage means 8b where an interest calculation formula preliminarily determined for each deposit account is stored, and a third storage means 9c where **reference**

interest information independently determined by a banking organ is stored; and at the time of expiration of the term of the deposit account, a new interest is determined in accordance with reference interest information stored in the third storage means 9c and the interest calculation formula which is stored in the second storage means 9b and is preliminarily determined for each account, and the interest for each account stored in the first storage means 9a is rewritten with the new determined interest to automatically update the account whose term expires.

15/5/15 (Item 15 from file: 347)

DIALOG(R) File 347:JAPIO

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04136440 \*\*Image available\*\*

MONEY ORDER SLIP MANAGING SYSTEM USING FACSIMILE

PUB. NO.: 05-128140 [JP 5128140 A]

PUBLISHED: May 25, 1993 (19930525)

INVENTOR(s): AIHARA KEIJI

APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-311925 [JP 91311925]

FILED: October 30, 1991 (19911030)

INTL CLASS: [5] G06F-015/30; G06F-015/30; G06F-015/30; H04N-001/44

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 44.7 (COMMUNICATION -- Facsimile)

JAPIO KEYWORD: R087 (PRECISION MACHINES -- Automatic Banking ); R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers

JOURNAL: Section: P, Section No. 1610, Vol. 17, No. 502, Pg. 166, September 09, 1993 (19930909)

#### ABSTRACT

PURPOSE: To minimize risk in safety control and to relieve the burden on operators by providing the **first** communication line which requires no secret code **checking** and the **second** communication line which requires secret code checking and properly using them depending on importance level.

CONSTITUTION: By communicating through the **second** communication line 2B, upon selecting communication line 2, which requires secret code input, for example, with respect to the money order slip with high importance level, the communication control accompanied by high safety level is obtained which requires confirming both a secret code and FAX-ID. Relating to the money order slip with lower importance level, the communication control which performs simple **confirmation** only by FAX-ID, requiring no secret code input, can be obtained by relieving operator's burden. While properly using two communication lines 2, the communication control with higher safety level is obtained for transmitting important money order slips and that with the risk in safety control suppressed to a minimum is obtained for transmitting less important ones.

15/5/16 (Item 16 from file: 347)

DIALOG(R) File 347:JAPIO

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04062137 \*\*Image available\*\*

DYNAMIC DISPATCHING SYSTEM BY CHECKING PRIORITY

PUB. NO.: 05-053837 [JP 5053837 A]

PUBLISHED: March 05, 1993 (19930305)

INVENTOR(s): KAWANABE MASAZUMI

APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-233746 [JP 91233746]

FILED: August 22, 1991 (19910822)

INTL CLASS: [5] G06F-009/46

JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)

JOURNAL: Section: P, Section No. 1570, Vol. 17, No. 363, Pg. 100, July 08, 1993 (19930708)

ABSTRACT

PURPOSE: To equally allocate a CPU to each program even when a lot of programs approximating characteristic values are simultaneously executed at the dynamic dispatching system of a computer system.

CONSTITUTION: This system is composed of an initial area setting means 5 to set initial values to an input/output characteristic judging value storage area, executing program number storage area and input/output program ratio storage area, in the case of starting the system, executing program number updating means 6 for updating the executing program number storage area in the case of starting /ending the program, individual priority checking means 7 to check priority for each program concerning all the programs in the case of sampling and to set a value to an input/output characteristic program number storage area, and input/output specifying and judging value checking means 8 to check the value of the input/output characteristic judging value storage area. Thus, the throughput of the system is improved by equally allocating the CPU to each program regardless of the characteristics of the programs to be simultaneously executed.

15/5/17 (Item 17 from file: 347)

DIALOG(R) File 347:JAPIO

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03779664 \*\*Image available\*\*

PAPER SUCTION MECHANISM FOR PRINTER

PUB. NO.: 04-144764 [JP 4144764 A]

PUBLISHED: May 19, 1992 (19920519)

INVENTOR(s): TAKAHASHI KIYOSHI

OYAMA YOSHIAKI

APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)

NEC ENG LTD [329822] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-269954 [JP 90269954]

FILED: October 08, 1990 (19901008)

INTL CLASS: [5] B41J-013/00; B65H-007/08; B65H-009/10; B65H-009/14

JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 26.9 (TRANSPORTATION -- Other)

JOURNAL: Section: M, Section No. 1306, Vol. 16, No. 426, Pg. 75, September 08, 1992 (19920908)

ABSTRACT

PURPOSE: To prevent oblique paper feed and paper jamming by providing two feed rollers and two starting end sensors having individual motors as driving sources, checking ON/OFF state of the starting end sensors and controlling both feed rollers.

CONSTITUTION: Sensors 6, 7 for detecting the left and right heads, respectively, of a paper are provided. When the sensor 6 detects the left head of a paper and the sensor 7 does not detect the right head of the paper, a left feed roller 4 is stopped and a right feed roller 5 is driven whereas when the sensor 7 detects the right head of paper and the sensor 6 does not detect the left head of paper, the right feed roller 5 is stopped and the left feed roller 4 is driven. The left and right feed rollers 4, 5 employ individual motors as driving sources. According to this constitution, oblique suction of paper or paper jamming can be prevented

15/5/18 (Item 18 from file: 347)

DIALOG(R) File 347:JAPIO

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03248676 \*\*Image available\*\*

DEPOSIT PAYMENT CONTROLLING SYSTEM

PUB. NO.: 02-224176 [JP 2224176 A]  
PUBLISHED: September 06, 1990 (19900906)  
INVENTOR(s): KOIWA YOSHIKATSU  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-045764 [JP 8945764]  
FILED: February 27, 1989 (19890227)  
INTL CLASS: [5] G06F-015/30; G06F-015/30  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R087 (PRECISION MACHINES -- Automatic Banking )  
JOURNAL: Section: P, Section No. 1134, Vol. 14, No. 530, Pg. 100,  
November 21, 1990 (19901121)

ABSTRACT

PURPOSE: To suppress the expansion of damage at the time of losing a magnetic card by permitting the use of plural magnetic cards for an account and setting up the payment limit amount to the amount to be paid within a fixed period in each magnetic card.

CONSTITUTION: At the time of newly opening an account and using plural, e.g. two magnetic cards, acids identification (ID) information 102, 106, payment limit amount information 104, 108, payment total amount information 105, 109, and master ID information 103, 107 are added to an account file. The use of plural magnetic cards for an account is allowed and an user is allowed to optionally set up the payment limit amount to be used in each magnetic card. Consequently, damage generated when the magnetic card is stolen can be suppressed at its minimum.

15/5/19 (Item 19 from file: 347)

DIALOG(R) File 347: JAPIO

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02933955 \*\*Image available\*\*

AUTOMATIC IDENTIFICATION SYSTEM FOR SWITCHBOARD TYPE AND ID/NID CALLING PROPRIETY

PUB. NO.: 01-231555 [JP 1231555 A]  
PUBLISHED: September 14, 1989 (19890914)  
INVENTOR(s): ONO SATOSHI  
                  FUKADA SANSHIRO  
APPLICANT(s): DAINI DENDEN KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 63-058055 [JP 8858055]  
FILED: March 11, 1988 (19880311)  
INTL CLASS: [4] H04M-003/26  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone)  
JOURNAL: Section: E, Section No. 858, Vol. 13, No. 558, Pg. 114,  
December 12, 1989 (19891212)

ABSTRACT

PURPOSE: To automatically identify the type of a subscriber storing switchboard and also to automatically test the ID /NID calling propriety by checking the ID opening and the opening of the originating subscriber identification number based on a fact whether the signal received from a station or a special signal received from a called terminal should be detected.

CONSTITUTION: The NID calling is carried out to a test telephone number based on the identified type of a switchboard. In case a switchboard A is recognized with a PB circuit, for example, an access code of the PB signal and an originating subscriber identification number are transmitted and the DT of a relaying system telephone service company is confirmed. Then the test telephone number if transmitted. Then only those signals which are received from a special terminal set at the called subscriber side and included within a certain fixed voice band are monitored. Thus it is

recognized that the NID calling is possible only when the relevant signal is detected. In such a way, the type of a subscriber storing switchboard is automatically identified and the propriety can be automatically recognized for the opening of the ID of a subscriber line and the opening of the originating subscriber identification number

15/5/20 (Item 20 from file: 347)  
DIALOG(R) File 347:JAPIO  
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02860034 \*\*Image available\*\*  
LINE SWITCHING SYSTEM IN DATA COMMUNICATION EQUIPMENT

PUB. NO.: 01-157634 [JP 1157634 A]  
PUBLISHED: June 20, 1989 (19890620)  
INVENTOR(s): SATO MIKIO  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 62-315326 [JP 87315326]  
FILED: December 15, 1987 (19871215)  
INTL CLASS: [4] H04L-001/22; H04B-001/74  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 44.2 (COMMUNICATION -- Transmission Systems)  
JOURNAL: Section: E, Section No. 822, Vol. 13, No. 421, Pg. 163, September 19, 1989 (19890919)

#### ABSTRACT

PURPOSE: To prevent the interruption of the exchange of data due to a wrong call by switching the lines of a data communicating device to have a private line and a spare line after an ID number from an opponent side is confirmed.

CONSTITUTION: When a second line switching device 23 receives a reception and connects the lines, a first line switching device 22 sends a prescribed ID number from an ID number notifying means 29 towards the second line switching device 23. Then, a **checking** means 30 of the **second** line switching device 23 **checks** whether the prescribed ID number and the received ID number coincide or not, and when the ID numbers coincide, a switching means 31 switches a connecting line to a spare line 21. Since, when the reception from except the first switching device 23, namely, the wrong call is executed, the ID number is not sent or the different ID number is sent, the second line switching device 23 can recognize that the reception is not from the first line switching device 22, and the device 23 does not switch the connecting line to the spare line. Thus, the interruption of data communications can be prevented.

15/5/21 (Item 21 from file: 347)  
DIALOG(R) File 347:JAPIO  
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02728641 \*\*Image available\*\*  
DIAGNOSING METHOD FOR HARDWARE

PUB. NO.: 01-026241 [JP 1026241 A]  
PUBLISHED: January 27, 1989 (19890127)  
INVENTOR(s): TSUNODA HIRONOBU  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 62-182919 [JP 87182919]  
FILED: July 22, 1987 (19870722)  
INTL CLASS: [4] G06F-011/22  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JAPIO KEYWORD: R063 (MACHINERY -- Numerical Control Machine Tools, NC); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: P, Section No. 871, Vol. 13, No. 209, Pg. 165, May 17, 1989 (19890517)

ABSTRACT

PURPOSE: To eliminate the need to use other expensive devices and to omit troublesome operation for replacing a CPU by utilizing a two-port RAM which can be accessed from both of a main CPU and a local CPU.

CONSTITUTION: The two-port RAM on a printed board which can be accessed from both of the main CPU 1 and local CPU 3 is utilized, and a test program is passed from the main CPU 1 to the local CPU 3 through the two-port RAM 2 for checking. Thus, the test program is passed from an external terminal to the main CPU 1, which transfers the test program to the two-port RAM 2; and the local CPU 3 accesses the transferred program and runs the test program to start checking individual peripheral devices. Consequently, the test program is run to inspect the printed board without remounting any CPU on an in-circuit emulator.

15/5/22 (Item 22 from file: 347)

DIALOG(R) File 347: JAPIO

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01925775 \*\*Image available\*\*

AUTHORIZING DEVICE FOR INDIVIDUAL CARD

PUB. NO.: 61-139875 [JP 61139875 A]

PUBLISHED: June 27, 1986 (19860627)

INVENTOR(s): SUZUKI HIDEO

FUJINO MASANAO

APPLICANT(s): CASIO COMPUT CO LTD [350750] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 59-263334 [JP 84263334]

FILED: December 13, 1984 (19841213)

INTL CLASS: [4] G06F-015/21; G06F-015/30

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

JAPIO KEYWORD: R087 (PRECISION MACHINES -- Automatic Banking )

JOURNAL: Section: P, Section No. 516, Vol. 10, No. 338, Pg. 23, November 15, 1986 (19861115)

ABSTRACT

PURPOSE: To authorize an electronic card on which plural pieces of individual authorization information are stored securely by reading one optionally specified pieces of individual authorization information and deciding whether the information is approved or not.

CONSTITUTION: The electronic card is loaded in an individual card authorizing device and a password number is inputted on its keyboard and sent to the electronic card, and the number is compared with the password number set in PIN memory, thereby displaying an OK signal when they coincide with each other . Then, a number corresponding to a desired credit card company is inputted and sent to the electronic card to read the company code corresponding to the number out of an individual authorization information memory to check whether the company code is registered in an associative card company memory or not. When it is judged that the company is registered, the account number of the company is read out of the electronic card and compared with the storage contents of an ineffective card account number list memory; when it is judged that the account number is not an ineffective account number, a normal transaction is started .